

Symmetra® PX

Three Phase UPS

- Front-access servicing
- Programmable frequency
- LED Status indicators
- LCD display
- Standard 1 year repair or replace



SY10K80F

Symmetra PX

Models:	Symmetra 30/80PX	Symmetra 30/40PX	Symmetra 20/80PX	Symmetra 20/40PX	Symmetra 10/80PX	Symmetra 10/40PX
Output						
Output Power Capacity:	30kVA / 30kW	30kVA / 30kW	20kVA / 20kW	20kVA / 50kW	10kVA / 10kW	10kVA / 10kW
Max Configurable Power:	80kVA / 80kW	40kVA / 40kW	80kVA / 80kW	40kVA / 40kW	80kVA / 80kW	40kVA / 40kW
Nominal Output Voltage:	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH	120V, 208V, 208V 3PH
Waveform Type:	Sine wave	Sine wave	Sine wave	Sine wave	Sine wave	Sine wave
Output Frequency (sync to mains):	57 to 63Hz for 60Hz nominal					
Output Connections:	(1) Hard Wire 5-wire (3PH + N + G), (1) Screw Terminals					
Output Voltage Tolerance:	-	-	-	-	-	±1% static and ±5% at 100% load step
Input						
Nominal Input Voltage:	208V 3PH	208V 3PH	208V 3PH	208V 3PH	208V 3PH	208V 3PH
Input Frequency (auto sensing):	50/60Hz ±5Hz	50/60Hz ±5Hz	50/60Hz ±5Hz	50/60Hz ±5Hz	50/60Hz ±5Hz	50/60Hz ±5Hz
Input Connections:	Hard Wire 5-wire (3PH + N + G)					
Bypass:	Built-in Static Bypass	Built-in Static Bypass	Built-in Static Bypass	Built-in Static Bypass	Built-in Static Bypass	Built-in Static Bypass
Max Bypass Input Current:	162A	162A	162A	162A	162A	162A
Bypass Protection Device:	175A	175A	175A	175A	175A	175A
Batteries and Runtime						
Battery Type:	No internal battery - uses external battery system	Maintenance-free sealed Lead-Acid, leakproof	No internal battery - uses external battery system	Maintenance-free sealed Lead-Acid, leakproof	No internal battery - uses external battery system	Maintenance-free sealed Lead-Acid, leakproof
Included Battery Modules:	3	3	2	2	1	1
Available Battery Slots:	5	1	6	2	7	3
Typical Recharge Time (hrs)**:	2	2	2	2	2	2
Replacement Battery Cartridge:	SYBT4	SYBT4	SYBT4	SYBT4	SYBT4	SYBT4
Runtime Full / Half Load (min):	3.5 / 13.7	3.7 / 14.2	3.5 / 13.6	3.5 / 13.5	3.6 / 13.8	3.4 / 13.5
Communication and Management						
Interface Port(s):	Contact Closure, RJ-45 10 Base-T ethernet for web/ SNMP/ Telnet management, Smart-Slot			RJ-45 10 Base-T ethernet for web/ SNMP/ Telnet management, SmartSlot	Contact Closure, RJ-45 10 Base-T ethernet for web/ SNMP/ Telnet management, Smart-Slot	
Pre-Installed SmartSlot:	AP9617	AP9617	AP9617	AP9617	AP9617	AP9617
Control Panel:	-	Multi-function LCD status and control console	-	Multi-function LCD status and control console	-	Multi-function LCD status and control console
Audible Alarm:	Alarm when on battery, distinctive low battery alarm, configurable delays					
Mechanical						
Dimensions (in/mm):	81.5 x 48 x 35.5 / 2070 x 1219 x 902	81.5 x 23.6 x 35.5 / 2070 x 600 x 902	81.5 x 48 x 35.5 / 2070 x 1219 x 902	81.5 x 23.6 x 35.5 / 2070 x 600 x 902	81.5 x 48 x 35.5 / 2070 x 1219 x 902	81.5 x 23.6 x 35.5 / 2070 x 600 x 902
Rack Height:	42RU	42RU	42RU	42RU	42RU	42RU
Net Weight (lb/kg):	1975.1 / 895.9	1438 / 652.27	1717.6 / 779.1	1167.5 / 529.6	1460.1 / 662.3	897 / 406.8
Environmental						
Temperature:	0 to 40°C / 32 to 104°F	-50 to 40°C / -58 to 104°F	0 to 40°C / 32 to 104°F			
Humidity:	0 to 95%	0 to 95%	0 to 85%	0 to 95%	0 to 95%	0 to 95%
Elevation:	0 to 3000m / 0 to 10000ft					
Storage Temperature:	-15 to 40°C / 5 to 104°F					
Audible Noise at 1 Meter:	64dBA	64dBA	64dBA	64dBA	64dBA	64dBA
Online Thermal Dissipation:	8913BTU/hr	8913BTU/hr	5942BTU/hr	5942BTU/hr	3381BTU/hr	3381BTU/hr
Conformance						
Regulatory Approvals:	cUL Listed, CSA, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778	cUL Recognized, EN 50091-1, EN 50091-2, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778, UL 60950	cUL Listed, CSA, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778	cUL Listed, EN 50091-1, EN 50091-2, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778, UL 60950	cUL Listed, CSA, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778	cUL Listed, EN 50091-1, EN 50091-2, EN 50091-3, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778, UL 60950
Reference:	SY30K80F	SY30K40F	SY20K80F	SY20K40F	SY10K80F	SY10K40F

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.